

Farm Digester Completed



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How will the energy be used? Electric, Heating, Cooling



E³ BioFuels: A New Paradigm in Ethanol Production



The Closed-Loop System



Pictured: Ethanol refinery towers (front), an anaerobic digester (center), and the feedlot (back).

The Mead Feedlot



Old way of manure application



Slatted Floors and Pits



Anaerobic Digestion Technology



A view from the ethanol refinery of the anaerobic digesters, support systems, manure lagoon and feedlot.

Gas Skid



The Daily (Corn) Grind: Ethanol Refining

- Capacity production: 25 million gallon/year
- Refinery size determined by the Mead feedlot
- Linear expansions are possible – i.e., 50 million gallon ethanol plant with 60,000-head (equivalent) feedlot



Flare
burn the
excess gas



The Daily (Corn) Grind: Ethanol Refining



2 - 1200 hp Saskatoon Boilers



Wastes: After Digestion



Clarifier Lime Addition



Clarifier Solid Separation



Performance Assessment



Phosphorus Fertilizer



- Start up
- What is built first and where?
- Production Goals
- Operations

For more information:
www.e3biofuels.com

